

Date Mailed: DECEMBER 15, 1999

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<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		Docket Number: 9366.15USD1	Application Number: -097264-481 10/602,365
		Applicant: SOPP ET AL.	
		Filing Date: 03/08/1999	Group Art Unit: 3736 287

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS	5,115,133	05/19/1992	Knudson			
HS	5,146,091	09/08/1992	Knudson			
HS	5,179,951	01/19/1993	Knudson			
HS	5,201,324	04/13/1993	Swierczek			
HS	5,231,993	08/03/1993	Haber et al.			
HS	5,320,607	06/14/1994	Ishibashi			
HS	5,368,047	11/29/1994	Suzuki et al.			
HS	5,437,841	08/01/1995	Balmer			
HS	5,458,140	10/17/1995	Eppstein et al.			
HS	5,470,757	11/28/1995	Gagnon et al.			
HS	5,582,184	12/10/1996	Erickson et al.			
HS	5,682,233	10/28/1997	Brinda			
HS	5,746,217	05/05/1998	Erickson et al.			
HS	5,820,570	10/13/1998	Erickson et al.			
HS	5,879,310	03/09/1999	Sopp et al.			
HS	5,879,367	03/09/1999	Latterell et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		Moatti-Sirat, D. et al., "Towards Continuous Glucose Monitoring: In Vivo Evaluation of Miniaturized Glucose Sensor Implanted for Several Days in Rat Subcutaneous Tissue", <i>Diabetologia</i> , Vol. 35, pp. 224-230 (1992)
		Petersen, L. et al., "Microdialysis of the Interstitial Water Space in Human Skin <i>In Vivo</i> : Quantitative Measurement of Cutaneous Glucose Concentrations," <i>J Invest Dermatol</i> , Vol. 99, No. 3, pp. 357-360 (September 1992)
		Turner, A. et al., "Diabetes Mellitus: Biosensors for Research and Management," <i>Biosensors</i> , Vol. 1, pp. 85-115 (1985)
		Wiig, H, "Evaluation of Methodologies for Measurement of Interstitial Fluid Pressure (Pi): Physiological Implications of Recent Pi Data," <i>Crit Rev Biomed Eng</i> , Vol. 18, No. 1, pp. 27-54 (1990)
		Wolfson, Jr., S. et al., "Glucose Concentration at Possible Sensor Tissue Implant Sites," <i>Diabetes</i> , Vol. 5, No. 3, pp. 162-165 (May-June 1982)

EXAMINER <i>Marc J. Stahl</i>	DATE CONSIDERED <i>9/18/04</i>
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 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				<b>Application Number</b>	10/602,365
				<b>Filing Date</b>	June 23, 2003
				<b>First Named Inventor</b>	SOPP, JOHN P.
				<b>Art Unit</b>	3764
				<b>Examiner Name</b>	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	LIFE-090CON3

Examiner Signature	<u>Michael Stark</u>	Date Considered	9/08/04
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 9366.15USDI	Application Number: 09/264,681 10/602,365
		Applicant: SOPP ET AL.	
		Filing Date: 03/08/1999	Group Art Unit: 3226 2877

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	3,123,066	03/03/1964	Brumley			
MS	3,136,310	06/09/1964	Meltzer			
MS	3,208,452	09/28/1965	Stern			
MS	3,338,239	08/29/1967	Mausteller			
MS	3,958,560	05/25/1976	March			
MS	4,014,321	03/29/1977	March			
MS	4,195,641	04/01/1980	Johnes et al.			
PS	4,200,110	04/29/1980	Peterson et al.			
MS	4,407,290	10/04/1983	Wilber			
MS	B1 4,407,290	10/14/1986	Wilber			
MS	4,489,974	12/25/1984	Warhol			
MS	4,517,978	05/21/1985	Levin et al.			
MS	4,622,974	11/18/1986	Coleman et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MS	37 08 031 A1	11/12/1987	DE			X	
MS	0 160 768 A1	11/13/1985	EP				
PS	0 199 484 A2	10/29/1986	EP				
PS	0 212 906 A2	03/04/1987	EP				
PS	0 250 257 A1	12/23/1987	EP				
PS	0 453 283 A1	10/23/1991	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MS	Arnold, M. et al., "Determination of Physiological Levels of Glucose in an Aqueous Matrix with Digitally Filtered Fourier Transform Near-Infrared Spectra," <i>Anal. Chem.</i> , Vol. 62, pp. 1457-1464 (1990)
MS	Ash, S. et al., "Subcutaneous Capillary Filtrate Collector for Measurement of Blood Glucose," <i>ASAIO Journal</i> , Vol. 38, pp. M416-M420 (1992)
MS	Ash, S. et al., "A Subcutaneous Capillary Filtrate Collector for Measurement of Blood Chemistries," <i>ASAIO Journal</i> , Vol. 39, pp. M699-M705 (1993)
PS	Brace, R. et al., "Reevaluation of the Needle Method for Measuring Interstitial Fluid Pressure," <i>Am J. Physiol.</i> , Vol. 229, No. 3, pp. 603-607 (September 1975)
MS	DuPuy, N. et al., "Quantitative Analysis of Aqueous Solutions by FTIR Spectroscopy of Dry Extract", SPIE, Vol. 1575, 8th International Conference on Fourier Transform Spectroscopy, pp. 501-502 (1991)

EXAMINER	Michael Stern	DATE CONSIDERED	9/8/04
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<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		Docket Number: 9366.15USDI	Application Number: 09/204,491 10/602,365
		Applicant: SOPP ET AL.	
		Filing Date: 03/08/1999	Group Art Unit: 3736 2877

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	4,637,403	01/20/1987	Garcia et al.			
BS	4,648,408	03/10/1987	Hutcheson et al.			
DS	4,655,225	04/07/1987	Dahne et al.			
JS	4,660,971	04/28/1987	Sage et al.			
PS	4,685,463	08/11/1987	Williams			
PS	4,703,756	11/03/1987	Gough et al.			
PS	4,704,029	11/03/1987	Van Heuvelen			
PS	4,730,622	03/15/1988	Cohen			
PS	4,750,830	06/14/1988	Lee			
PS	4,805,623	02/21/1989	Jobsis			
PS	4,873,993	10/17/1989	Meserol et al.			
PS	4,882,492	11/21/1989	Schlager			
PS	4,883,068	11/28/1989	Dechow			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BS	0 582 226 A1	02/09/1994	EP			Abstract	
BS	2 033 575 A	05/21/1980	GB				
BS	WO 85/04089	09/26/1985	PCT				
BS	WO 88/00812	02/11/1988	PCT				
BS	WO 91/18548	12/12/1991	PCT				
BS	WO 95/10223	04/20/1995	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

MS	Gelman Science brochure, pg. 60 (1993) showing Nylaflow, Catalog P/N 32378.
MS	Gilanyi, M. et al., "Ion Concentrations in Subcutaneous Interstitial Fluid: Measured Versus Expected Values," <i>Am. J. Physiol.</i> (United States) Sept. 1988, 255 (3 Pt 2) pp. F513-F519
MS	Ginsberg, B. "An Overview of Minimally Invasive Technologies", <i>Clinical Chemistry</i> , Vol. 38, No. 9, pp. 1596-1600 (1992)
MS	"Glucose Sensors" and "Like An Injection" sections on page 26 of Diabetes Forecast, May, 1993
MS	Janle-Swain, E. et al., "Use of Capillary Filtrate Collector for Monitoring Glucose in Diabetics," <i>Trans. Am. Artif. Intern. Organs</i> , Vol. XXXII, pp. 336-340 (1987)

EXAMINER <u>Michael Stal</u>	DATE CONSIDERED <u>9/18/04</u>
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<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		 Docket Number: 9366.15USDI Application Number: 09/364,464 10/602,365 Applicant: SOPP ET AL. Filing Date: 03/08/1999 Group Art Unit: 275 2877
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	4,901,728	02/20/1990	Hutchinson			
MS	4,953,552	09/04/1990	DeMarzo			
MS	4,954,318	09/04/1990	Yafuso et al.			
MS	4,960,467	10/02/1990	Peck			
MS	4,981,779	01/01/1991	Wagner			
MS	5,002,054	03/26/1991	Ash et al.			
MS	5,014,718	05/14/1991	Mitchen			
MS	5,026,388	06/25/1991	Ingalz			
MS	5,029,583	07/09/1991	Meserol et al.			
MS	5,035,704	07/30/1991	Lambert et al.			
MS	5,054,499	10/08/1991	Swierczek			
MS	5,066,859	11/19/1991	Karkar et al.			
MS	5,070,886	12/10/1991	Mitchen et al.			
MS	5,079,421	01/07/1992	Knudson et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
MS		Kayashima, S. et al., "New Noninvasive Transcutaneous Approach to Blood Glucose Monitoring: Successful Glucose Monitoring on Human 75 g OGTT with Novel Sampling Chamber," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 38, No. 8, pp. 752-757 (August 1991)				
MS		Kayashima S. et al., "Suction Effusion Fluid From Skin and Constituent Analysis: New Candidate for Interstitial Fluid," <i>Am J. Physiol</i> (United States) Nov. 1992, 263 (5 Pt 2), pp. H1623-H1627				
MS		Khistala, U., "Suction Blister Device for Separation of Viable Epidermis from Dermis," <i>Journal of Investigative Dermatology</i> , Vol. 50, No. 2, pp. 120-137 (1968)				
MS		Korthius, R. et al., "Method for Sampling Interstitial Fluid" from book entitled <i>Microcirculatory Technology</i> , edited by D. H. Baker et al., Academic Press, Chapter 21, pp. 326-327 (1986)				
MS		Mendelson, Y. et al., "Blood Glucose Measurement by Multiple Attenuated Total Reflection and Infrared Absorption Spectroscopy," <i>IEEE. Transactions on Biomedical Engineering</i> , Vol. 37, No. 5, pp. 458-465 (May 1990)				

EXAMINER <i>Michael Stal</i>	DATE CONSIDERED <i>8/18/04</i>
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